

Supplemental Material.

Home Characteristics as Predictors of Bacterial and Fungal Microbial Biomarkers in House Dust
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Supplemental Material, Table 1. Positive Predictive Value (PPV) and Negative Predictive Value (NPV) of Home Characteristics for Microbial Biomarker Exposure in Bed Dust (> Median Level)^a

	Home Characteristic	,					
		High Fungi		High GNB ^b		High GPB	
		PPV	NPV	PPV	NPV	PPV	NPV
Dampness	Water/Mold	56%	52%	73%	36%	55%	52%
	Central Air	38%	46%	59%	31%	44%	48%
Pets	Dog Allergen (> 20 µg/g)	66%	54%	75%	36%	64%	54%
	Cat Allergen (> 8 µg/g)	62%	54%	73%	36%	54%	51%
Cleaning	Cleaning Frequency (≥ 1 x per week)	55%	54%	71%	38%	54%	54%

^a High > Median Biomarker Level; Low ≤ median biomarker level

^b High > Median endotoxin (LAL) or Mid Chain 3-OHFAs; Low ≤ Median for endotoxin (LAL) and Mid Chain 3-OHFAs

Supplemental Material, Table 2. Positive Predictive Value (PPV) and Negative Predictive Value (NPV) of Home Characteristics for Microbial Biomarker Exposure in Bed Dust (> 75th percentile)^a

Home Characteristic							
		High Fungi		High GNB ^b		High GPB	
		PPV	NPV	PPV	NPV	PPV	NPV
Dampness	Water/Mold	31%	77%	45%	64%	33%	78%
	Central Air	10%	69%	28%	57%	22%	74%
Pets	Dog Allergen (> 20 µg/g)	33%	77%	48%	63%	30%	76%
	Cat Allergen (> 8 µg/g)	35%	78%	47%	64%	26%	75%
Cleaning	Cleaning Frequency (≥ 1 x per week)	30%	79%	46%	67%	30%	79%

^a High > 75th percentile Biomarker Level; Low ≤ 75th percentile biomarker level

^b High > 75th percentile endotoxin (LAL) or mid Chain 3-OHFAs; Low ≤ 75th percentile for endotoxin (LAL) and mid chain 3-OHFAs